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	COR - 0654						
NRO REVIEW COMPLETED	29 Cetober 1959						
MEMORANEAN FOR: Deputy Director (Plans)							
THROUGH : Acting Chief, DPD							
SUBJECT : Hendling of CORONA Paylond at Am	SUBJECT : Handling of CORONA Payload at Assembly Pacilities						
REFERENCE : (OUT 54042)							
1. Attached for your information are: a. A report byon condition of the condition o	ions at the Vandanberg						
b. The Landahl memo on conditions at requested Mr. Kiefer's and my community	(on which you 2	25X1					
2. One of the useful by-products of having RMD, accept the payload has been the opportunity spending several days at the "L" Building at Van actually took place during the final phases of reseven. As you will see from his report he found building, and the methods used in handling film factory. Accordingly, on his return, he prepare requesting several corrective actions. This we and I hope to forward it to LMSD promptly.	that this gave him of denherg and of seeing what endiness for flight master that the conditions in the and camera, were not satis- d the referenced cable	SX1					
graph in Mr. Luminhl's memo. Mr. Kieffer and I w	ere that they should from a reaction was not accompanied to changes that should be						
(1) Through making the changes at "L" referenced cable,	Building requested in the	X 1					
(2) Through a like review by methods at This be will do next psyload, this time at	of conditions and NR NR						

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4. We have felt for some time that is not equal to his Job and that this weakness might have a real relationship to the program failures. We found that MED agreed and accordingly Colonel Oder recently **NRO** made the point to LMED. I have just beard that Jim Plummer is taking direct charge of the 25X1 and this should be of help in curing the ills found by 25X1 Attachments: 1. DPD-7417-59, dated 29 October 1959 ID/P 4-8806, dated 14 October 1959 25X1 DB/DPD-DD/P: Distribution: Orig & 1 - Addressee, w/atts 1 & 2 1 - A/Ch/DPD, w/atts 1 & 2 1 - Ops/DPD, w/atts 1 & 2 1 - Ch/DB, w/atts 1 & 2 ∠1 - RI/DPD, w/atts 1 & 2

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2. Gall 107 was enlared to Tenderbook 177 on Seturday, 17 October and design the state of the sta the second like and took records were abliqued with the course. The some tops prefered at Tanahabor; are a few hours after particular of the constrain sortion of test records and the sames loss by following largers. Many County and the unional great revealed records to be impatticists and and up to date, preventing immediate acceptance of the perload section. control indicated that there had been a session part religionation on the Last Ell's test, and that a file break occurred on the tests run at Talo Alto on 17 Cotober. Additional documentation required later from tale alto indicated the cases had solv about 300 cycles of miletarions Contained in course log and town data, it was decade moneyay to contain father operational tests before accordance could be made of the particul and for filight 1051. It was agreed that these bests would be made during evening check at the part and after the mild had been returned to the limitation. No attempt one made to class the instrument for these tests becomen, the unit was configured (including all changes, such so installation of the new collistics), as near flight configuration as Possible. (It somes this is not considered standard possible by the Yandschurg All 1250 tests prior to systems runs.) by instating on this procedure any discrepantion were retail in the established pre-flight

volution for Lamba, although being very capable to preparing the sufficient background and/or experience to stoquetely prepare sufficient background and/or experience to stoquetely prepare surface surface.

- Including are some like a factory assembly area than the type of area required for backling and pre-flighting apacialized photographic equipments. The area is sail lacking in classificate and equipments for the Areations to be performed. It seems that no consideration has been given to lighting conditions during leading of the period into the instrument or during the time the instrument faring is matted to the made core. Under the conditions proposed, forging of the periods can occur.
- Library satrons care has been exercised in delivering the payload (flim) to Vandenburg, it was noted that operational file, although
 hept in air conditioned area, is stacked on the floor where damage could
 corns. Camera speels, although notions are attached to each film one
 indicating that speels are never to be shoot on flanges, were placed on
 flanges under porthonisms. A check of all these speels should all
 flanges to be damaged. It was also noted that all operational rolls of
 film had been opened before intended use, increasing the danger of
 forged film.
- is the following pieces of egylpment are considered secondary and should be presented for the L indicating at the equilent possible date.
 - a. The States Sales
 - 5. Speed Storers tweeks
 - c. Safe Lights, necessary wiring and Contones
 - d. Pila Spilowr
 - a. Vicating Table
 - The Parameter

Since the excert mest be seved from the close room, after leading, to an area in the 1 Redbing without air conditioning, it is recommended that additional air conditioning equipment be promped to air condition the area the complete building. Car, that previous be made to derive the area during the perod the excert section family is being methed to the same com-

- 7. It is felt that we should draw upon the experience we have obtained on the CRAIN program and apply it to the CRAIN operation. It is, therefore, recommised that the above be reviewed with TT and LTD with the recommendation that the present temp be increased to include a protectographic pre-flight technicism. This menter should be subberised from a photographic stand point to appears the occulate payload medical for flight. His debice should include:
 - to the way the special equipment envisions are saintained in the
 - b. Maintenance of file supply and spares, e.i., file species and otco

- c. Transling and enduation of test film.
- 4. Leading the Leatrement.
- o. Supervision of instrument operation during systems check.
- 3. In view of the enemy failures experienced on 17 October and 23 October, it was described necessary to make a close inspection of the improvement prior to the phoyo reference systems these and acceptance of the cult. The failuring items were moted:
 - a. The compette take up speci was found to have sharp bure on the inside edge of one flange. This item had been installed at falls like grid was considered ready for flight. Just bure, however, could have considered a file brook in flight.
 - to exceed 10 lies. This possibly sould have backed up the supply speci except to pull the backeds splice into the instrument and spain be a possible comes for a file break in flight. The torque exter was remijosted after the pul systems sheek to 2 lies or less.
 - is these speed on the pat system stands and processed at ______ stands ______ 25

It was noted the new Migh-temperature torque motor had been installed, although a unit of this type had not been qualified (however, qualification was expected prior to flight time). Taker checks have remained that the only noter received totale is installed on second file. Chalification must wait for further deliveries.

- 9. Other items noticed during imprection of the payload unit are considered by the undersigned to be possible risk items for flight 1051 and should be reviewed for possible improvement for my subsequent flighter
 - as Second Sallors Present rollars are film edge exprorting and show evidence of heavy areasing on the edges of the film while the camera is operating. This is an area that might come a film break in filight. It is recommended that consideration be given to installing the old begind show roller or a rollar of a new design.

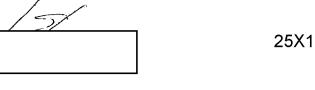
 (2 6 5 pages to here a new improved rollar design of this type.)
 - b. File Penalen File termine power to Charlesto Deroughout the expense system during operation. This has always been a possible

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region for improper file tracity of file way around causing file breaks. It was must noticeable from the supply speek under the first show roller and to the input satering rollers. The materings of considers this fluctor or meren file tendent to be consected at this point. The complete file path should be revised with the view to insuring constant file tenden throughout the system.

- 10. In view of the shows, the following are recommendate
- a. That Headquarters, working with LAT review acceptance space for the parioal area and decides a simplified workship document that will these remarked limits or other acceptable limits and the results of all tasks performed by LATE. This will expedite acceptance of each with
- 5. That DER to encouraged to complete all wars and modifications, represented for each Click wit, at Pale Lite prior to address to Variations LTD.
- c. Det Bestgartere, in corporation with 300, aid 1000 in contabilisting pro-flight 300 to be used during the 1 Dailding count down prior to lamade. Also, aid 1200 (If necessary) in the scientian and training of a photographic pro-flight websideless. It is recommended that this person be paragraphly sesioned to the USED 1 Ballding.
- d. That all equipments mentioned in paragraph 6 he promoted and installed in the 1 Addition at the earliest possible time.
- tigned, ir. 3. i. Gross (or representative) with a LEE representative periodic visits to Vandandoury AFO to insure implementation and compliance with the shore representations. These visits should be last as least one every 20 days.



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O d 1 - DO/F Watt 1 - Operations
1 - VCM/DFO 1 - DB 1 - Contracts
1 - Security 1 - St

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